



## STORM SEWER INSIDE DROP

REPLACES CWS (USA) STANDARD DETAILS NO. 070 AND 080  
BY BEAVERTON ORDINANCE #4303

### NOTES:

1. All manhole 60-inch riser sections shall conform to the requirements of ASTM C-478 and applicable provisions of *Beaverton Standard Dwg 304*.
  2. \*Maximum free fall for inside drop shall be 4 feet to top of shelf.
  3. \*A single "open" (unenclosed) inside drop with a "BEAVER SLIDE" may be allowed with prior approval of city engineer.
  4. \*The city does not allow outside drops, "open" (unenclosed) inside drops over 4 feet high, or partitioned inside drops.
  5. \*No more than 8-inches of riser rings shall be used.
  6. \*Minimum fall between inlet and outlet to be not less than 0.10 feet.
  7. \*The city reserves the right to deviate from this drawing and related requirements in the *Engineering Design Manual* as dictated by project design parameters.
- \* INDICATES MODIFICATIONS FROM CWS



City Of Beaverton

### ENGINEERING DEPARTMENT

CITY ENGINEER  
Terry Waldele, P.E.

DATE  
6 - 10 - 04

### CWS (USA) STORM SEWER INSIDE DROP MANHOLE WITH C.O.B. MODIFICATIONS

DRAWN BY  
JCH - CPD

DRAWING NO.  
305